



CITGO Petroleum Corporation

135th Street & New Avenue
Lemont, IL 60439-3659

April 23, 2007

Mr. Jim Sullivan
Illinois Emergency Management Agency (IEMA)
State Emergency Response Commission
110 E. Adams Street
Springfield, IL 62701-1109

Follow-up Information

IEMA Incident No.: H2007-0464

NRC Incident No.: 832329

Will Co. EMA Incident No.: 0704169081

Lemont Refinery

CAAPP Permit No.: 96030079

Facility ID No.: 197090AAI

Dear Mr. Sullivan:

This follows up the telephone notification made on April 16, 2007 to Illinois Emergency Management Agency (IEMA – Report No. 2007-0464), National Response Center (NRC – Report No. 832329) and Will County Emergency Management Agency (Will Co. EMA – Report No. 0704169081) regarding a planned maintenance event. This also satisfies Condition 7.7.10.b.i. of the above-referenced Clean Air Act Permit Program (CAAPP) Permit.

On April 16, 2007 at 6:37 a.m., the refinery's South Plant flare gas recovery compressor (844GB-401) was shut down to perform planned maintenance and inspection of the compressor. This shutdown was a planned maintenance activity, pursuant to Condition 7.7.5.b. of the refinery's Clean Air Act Permit Program (CAAPP) permit no. 96030079 (otherwise known as "Title 5" permit).

Reliefs and purges to the flare had been minimized prior to the shutdown, and the refinery operations were held stable during the exchanger shell repair. The work was planned so that necessary materials were available prior to the commencement of the work, and work progressed continuously throughout the shutdown.

At 4:40 p.m. a.m. on April 22, the compressor was restarted and the flaring ended. The total period of flaring was 6 days 10 hours.

At the time of the event, it was anticipated that the reportable quantity threshold for sulfur dioxide (CAS RN = 7446-09-5) and nitrogen dioxide (NO₂, CAS RN = 10102-44) would be exceeded prior to restarting the compressor. Subsequent calculations showed the following emissions:

<i>Pollutant</i>	<i>CAS Registry No.</i>	<i>Total Amount Emitted for event (lb.)</i>
Sulfur Dioxide	7446-09-05	118,640
Nitrogen Dioxide	10102-44-0	861
Particulate Matter		0
Carbon Monoxide		4,683
Organic Matter		1,772

There were no known off-site impacts as a result of this incident. There were no known or anticipated acute or chronic health risks associated with the release.

If there are questions on this information, please contact Matt Klickman at (630) 257-4308 or me at (630) 257-4450.

Sincerely,



C. W. Harmon
Manager, Health, Safety, Security, and Environmental

MWK/PLM

cc: Will County EMA
IEPA – Des Plaines Office
IEPA – Compliance & Systems Management, Springfield Office
Don Klopke, IEPA - Emergency Operations Unit
Jim Entzminger, USEPA, Chicago Office ✓